



# TECHNICAL DATASHEET

## PRODUCT NAME – KIF GRAPE GUARD

### PRODUCT CODE – KIF Grape Guard 605

#### PRODUCT DESCRIPTION

Gray mold (*Botrytis cinerea*) is the most destructive of the postharvest diseases of table grapes, primarily because it develops at temperatures as low as 31°F (-0.5°C) and grows from berry to berry. Gray mold first turns berries brown, then loosens the skin of the berry, its white, thread-like hyphal filaments erupt through the berry surface, and finally masses of gray colored spores develop. Wounds near harvest also provide opportunities for infections.

KIF Grape Guards/Pads are the most effective way to inhibit pathological disorders in grapes.

#### FEATURES

- Removes mould and fungal growth, decay, discoloration in results no wilting, softening, scald, loss of crunch, tenderness, weight loss etc.
- Use during postharvest handling of grapes and increases the shelf life of grapes during storage and transit at controlled temperature (Cold Store).
- Slows down the deterioration rate.
- Use during storage or domestic and international shipments like via air, sea, reefer vans, train trucks, moving coolers units, CA rooms and cold storage's.



Botrytis Decay



Gray Mould



Gray Mould



Gray Mould

#### KIF GRAPE GUARD VARIANTS

- **605:** Pad filled with Antimicrobial powder
- **606:** Laminated spun bond sheet with coated antimicrobial in between layers





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#### USAGE

Simply place the KIF Grape Guard on top of Grapes keeping printed side upward, wrap/cover the plastic liner & close the Corrugated Box. Please note that the Corrugated Box must have sufficient ventilation and place this box in precooling chamber for immediate control of decay and loss of moisture, after achieving the berry temperature around 1 to 2°C at precooling chamber, grapes boxes must be shifted at cold store where temperature is maintained at 1 to 2°C throughout the storage cycle.

#### PACKING INSTRUCTIONS

- If pouches are used for packing of Grapes, then place the Grape Guard on top of pouches & if punnet are used then place the KIF Grape Guard on top of Punnets, keeping printed side upward.
- For White Grape Variety – KIF Grape Guard Sheet can be directly placed on top side of Grapes, for Black Variety A thin layer of tissue paper or absorbent sheet is required between Grape and Grape Guard Sheet.

- Do not keep Grape Guard Sheet open. It gets activated from atmospheric moisture. Unused Grape Guard Sheet must be repacked in poly bags immediately.
- The effectiveness of the Grape Guard Sheets depends upon the quality of Grapes, Packing method, Storage temperature and transit condition destination.

#### DURABILITY OF KIF GRAPE GUARDS

KIF Grape Guards 605 can be used stored for more than two years, if stored according to manufacturer's instruction.

#### SAFETY INFORMATION

- Keep Out Of Reach Of Children
- Keep Container Tightly Closed
- Not For Internal Consumption
- Consult Material Safety Data Sheet For More Information
- Safe to be used with edibles
- FDA certified





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#### TECHNICAL PROPERTIES

Physical Properties Value	Value
Weight of base paper (gsm)	160
Active Ingredient	Sodium Salt that releases SO <sub>2</sub>
Weight of base paper (gsm)	100-200
Weight of lamination (gsm)	50-80
Non wettable paper	Pass
Design	Micro pores in inner layer of lamination
Leakage of powder	None
Leaching from edges	None

#### PRODUCT PICTURE



KIF Grape Guards in grape export boxes at client Chand Fruit Company, Nashik Maharashtra India.



KIF Grape Guards in grape export boxes at client BK Exports, Nashik Maharashtra India.

#### PACKAGING AND STORAGE

Available in Pad form. Store in a cool dry place and always keep Pack sealed when not in use.

#### DISPOSAL

Recommendation: Do not allow product to reach sewage system.

Disposal of product or waste must comply with official local regulations.

Packaging that cannot be recycled must be disposed in the same manner as the product.



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O U T P U T S

WITH GRAPE PADS



WITHOUT GRAPE PADS



- Dual Release
- Special plastic base
- Moisture Activated
- Bigger Pocket Size for better performance
- Long Term Preservation
- Form of plain coated sachets

KIF Grape Guard 605 is having a White Filter at the bottom, our Grape Guard Sheet will not have any SO<sub>2</sub> damage nor bleach the grapes nor create any bitter taste in Grapes. Our Grape Guard Sheets preserves the Grapes upto 120/140 days at controlled temperature.

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